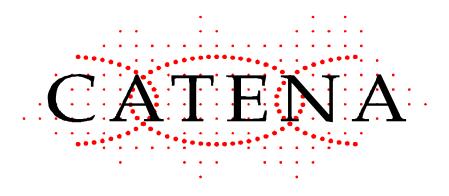
PROJECT: WFAC2X2

FIRMWARE RELEASE NOTE



| Document Information | |
|--------------------------|---------------|
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Revision Control

| Revision | Author | Purpose and Brief Summary of Changes | Date |
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| 0.1 | Erik de Kievit | Describe firmware release R1.0.004 | Nov 13, 2020 |

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1 INTRODUCTION

1.1 Document Purpose and Scope

This document describes the content of the firmware releases for the WFAC2x2 project, variant Begonia.

1.2 References

Table 1-1 References

| Doc# | Reference | Name | Date |
|------------------|-----------|--------------------------|---------------|
| 19CAIN01_C06S017 | [UM] | User Manual v1.1 | Dec 10, 2019 |
| 17CAIN09_C06S009 | [AMG] | API Migration Guide v1.0 | Sept 25, 2019 |
| | | | |

1.3 Abbreviations and Definitions

Table 1-2 Abbreviations

| Abbreviation | Meaning |
|--------------|---------|
| | |
| | |
| | |
| | |
| | |

Table 1-3 Definitions

| Definitions | Meaning | |
|-------------|---------|--|
| | | |
| | | |
| | | |
| | | |
| | | |



2 RELEASE PACKAGE

2.1 Version Identification

| Identifier | Value | |
|------------------|----------|--|
| target | BE | |
| firmware version | R1.0.004 | |

For this release, the GetVersion command will reply with the following information:

| Identifier | Value | |
|------------|-------|--|
| hw_major | 50 | |
| hw_minor | C0 | |
| target_ver | 2 | |
| fw_major | 1 | |
| fw_minor | 0 | |
| Build_nr | 4 | |
| Test_nr | 0 | |

2.2 Package Content

The release package contains the following files:

| File | Description |
|----------------------|---|
| WFAC22_50C0_prog.mem | Program memory file, to be loaded by the host |
| WFAC22_50C0_init.mem | Initialization file, to be loaded by the host |

Please follow the load and boot instructions as explained in the [UM].



3 RELEASE CONTENT

3.1 Goal

This firmware may be used to bring up the Begonia target.

In this version, the timeout time used during APP_Activate() is increased to support a boot clock of 12MHz, but in a different way than in R1.0.003.

3.2 Supported Functionality

The table below shows which commands are part of this release, and if there are limitations for the command in this release.

Table 3-1 command overview

| Table o T communa every | Table 3-1 Command Overview | | |
|-------------------------|----------------------------|--|--|
| Command | Status | | |
| GEN_GetVersion | Functional | | |
| GEN_SetProperty | Functional | | |
| GEN_GetProperty | Functional | | |
| APP_GetStatus | Functional | | |
| APP_Activate | Functional | | |
| APP_Deactivate | Functional | | |
| APP_GetTemperature | Functional | | |
| APP_Calibrate | Functional | | |
| APP_CalResistor | Functional | | |
| APP_SetResistor | Functional | | |
| APP_ConfigTrx | Functional | | |
| APP_ConfigFemCtrl | Functional | | |
| CLK_SetXo | Functional | | |
| TRX_Receive | Functional | | |
| TRX_Transmit | Functional | | |
| TRX_Stop | Functional | | |
| TRX_Park | Functional | | |
| TRX_Prepare | Functional | | |
| TRX_GetStatus | Functional | | |
| TRX_SetDsmLoopDeltaLo | Functional | | |
| TRX_SetTestDc | Functional | | |

4 KNOWN PROBLEMS & LIMITATIONS

None.

